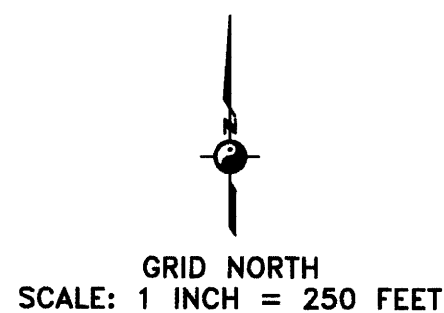


# RECORD OF SURVEY

NO. 35 - 15



T. 1 S., R. 29 E., M.D.M. IS AN AREA OF VOLCANIC TABLELAND CUT BY DEEP DRAINAGES WITH PRECIPITOUS SLOPES. THIS TOPOGRAPHY PRODUCES A LARGE NUMBER OF DEFINITE CALLS IN THE G.L.O. RECORD. A COMPARISON OF THE RECORD WITH THE CURRENT QUAD MAP QUICKLY REVEALS THE GENERAL ACCURACY OF THE CALLS FOR TOPOGRAPHY THROUGHOUT THE TOWNSHIP. ABUNDANT ORIGINAL EVIDENCE REVEALS THAT THE G.L.O. SURVEY WAS FAITHFULLY AND ACCURATELY PERFORMED. BUT THE TOPOGRAPHIC FEATURES FOUND IN THE AREA PRESENT FORMIDABLE OBSTACLES TO TRADITIONAL CHAINING METHODS. IT IS MY PROFESSIONAL OPINION THAT SEVERAL OF THE LINES WERE CARRIED FORWARD BY TRIGONOMETRIC METHODS. THE LINE BETWEEN SECTIONS 11 & 12 IS NOT THE MOST DIFFICULT IN THE AREA, BUT I DO NOT BELIEVE IT TO HAVE BEEN CHAINED DIRECTLY. AN EXTENSIVE SEARCH WAS CONDUCTED ALONG THIS LINE IN AN ATTEMPT TO RECOVER ANY EVIDENCE OF THE ORIGINAL QUARTER CORNER OR ITS ACCESSORIES. IN THE ABSENCE OF ANY ORIGINAL EVIDENCE THE QUARTER CORNER WAS RESTORED BY SINGLE PROPORTION (RSMB 3/25). SINCE THAT TIME THERE HAS BEEN CONSIDERABLE DEBATE BETWEEN THE ADJACENT LANDOWNERS AS TO THE CORRECTNESS AND ACCURACY OF THIS RESTORATION. FOR THIS SURVEY ADDITIONAL EFFORT WAS MADE TO RECOVER ANY ORIGINAL EVIDENCE OF THE QUARTER CORNER AND THE CURRENT MONUMENT WAS COMPARED TO THE RECORD TOPO CALLS IN THE VALLEY BOTTOM.

## U.S.G.L.O. FIELD NOTES S.A. HANSON, 1879

NORTH BETWEEN SECTIONS 11 & 12  
VAR. 14' 06" EAST

36.00 DESCEND  
40.00 ENTER FLAT, BEARS E & W  
SET POST 4 IN. DIA. 2 FT. IN EARTH 2 FT.  
ABOVE FOR 1/4 SEC. COR.  
FROM WHICH BEARS  
PRICKLY ASH 10 IN. DIA. N 39° W 134 LINKS DIST.  
PRICKLY ASH 8 IN. DIA. N 45° E 178 LINKS DIST.  
48.18 CROSS GULCH 10 LINKS WIDE. COURSE EAST  
52.25 CROSS ROAD BEARS E & W.  
56.00 LEAVE VALLEY AND ASCEND.  
80.00 SET POST .....

## TOPO NOTES:

AT THE NORTH SIDE OF THE VALLEY THERE IS A DEFINITE BREAK IN SLOPE FROM THE FLAT AT THE TOE OF THE TALUS. THE CALL FOR "LEAVE VALLEY & ASCEND" AT 16.00 CHAINS FROM THE 1/4 CORNER IS IN GOOD AGREEMENT WITH THE LOCATION MONUMENTED IN RSMB 3/25. THE CALL FOR A ROAD AT 12.25 CHAINS IS ALSO IN GOOD AGREEMENT WITH THE FAINT ROAD TRACE FOUND. THE CALL FOR THE "GULCH" APPEARS TO BE OUT OF POSITION WITH THE CALL FOR "LEAVE VALLEY & ASCEND". THE CREEK IS CURRENTLY SET 8 TO 10 FEET BELOW THE VALLEY SURFACE IN A GULLY UP TO 50 FEET WIDE. ITS COURSE IS MEANDERING. THE CREEK HAS BEEN DIVERTED UPSTREAM FOR PONDS. THERE IS A FAILED DAM APPROXIMATELY 3/4 OF A MILE DOWNSTREAM. THE CURRENT LANDOWNER STATES THAT THE ORIGINAL STRUCTURE WAS BUILT IN APPROXIMATELY 1917. IT WAS RAISED TO ITS CURRENT HEIGHT IN APPROXIMATELY 1958. THE DIVERSIONS UPSTREAM COUPLED WITH THE CHANGE IN GRADIENT MAY ACCOUNT FOR THE APPARENT DISCREPANCY WITH THE G.L.O. RECORD. THE CALL TO THE SOUTH, "ENTER FLAT.." AT 4 CHAINS FROM THE 1/4 CORNER APPEARS MOST UNCERTAIN. THERE IS A VERY GRADUAL GRADE CHANGE FROM THE FLAT TO THE TOE OF THE TALUS. THE RECORD DISTANCE FROM THE CURRENT MONUMENT FALLS AT A POINT IN THIS TRANSITION BETWEEN FLAT AND TALUS.

## LEGEND

- ① SECOND ORDER TRIANGULATION STATION, AS NOTED.
- FOUND MONUMENT PER RSMB 3/25.
- ⊙ RESET MONUMENT, AS NOTED.

